

87239

S/034/60/000/212/001/003
E032/E114

On the Profile of the Telluric Line of O₂ the profile. The line having a slope of 45° is then chosen, and using Eq. (2) a calculation is made of T₀ for all the parts of the profile lying on this line. The result is T₀ = 7.6 × 10⁻¹² sec. This quantity is a result of an averaging process over all the atmospheric layers containing O₂. The data obtained can be checked by substituting T₀ into Eq. (2) and calculating i for each value of v. The theoretical profile thus obtained can then be compared with the observed profile (Fig. 2). It is seen that there is good agreement between the two profiles. The following preliminary conclusions can therefore be drawn. 1) The broadening of telluric lines of O₂ can be explained by the above collision mechanism, and 2) the mean free time is of the order of 10⁻¹¹ sec. There are 2 figures and 1 Soviet reference. X

ASSOCIATION: Alma-Ata, Sektor astrobotaniki AN KazSSR
(Alma-Ata, Division of Astrobotany, AS Kaz.SSR)

SUBMITTED: April 1960

Card 3/3

SUSLOV, A.K. (Alma-Ata)

Changes in O₂ telluric lines with elevation above sea level.
Astron.tsir. no.213:8-10 Jl '60. (MIRA 14:1)
(Spectrum, Solar)

VORONOV, P. S. kand geol-mineral nauk; GAKKEL', Ya. Ya., doktor geograf.
nauk, prof.; KATTERFEL'D, G. N., kand. geograf. nauk; LUNGERSGAUZEN,
G. F., doktor geol.-mineral nauk, prof.; SUSLOV, A. K., kand fiz.-
matem nauk; KHAIN, V. Ye., doktor geol.-mineral nauk, prof.;
SHAFRANOVSKIY, I. I., doktor geol.-mineral nauk, prof.;
SHNITNIKOV, A. V., doktor geogr. nauk, prof.; SHUBAYEV, L. P.
kand geograf nauk, dotsent

Ethics in science; with reference to B. IU. Levin and E. M.
Rudich's article "On the Fourth Congress on Astrogeology."
Izv. Vses. geog. ob-va 96 no. 2:164-167 Mr-Ap '64. (MIRA 17:5)

SUSLOV, A.K.

"Mean free path" of O₂ molecules. Vest. LGU 19 no.4:75-78
'64. (MIRA 17:3)

BR

ACCESSION NR: AP4024461

S/0054/64/000/001/0075/0078

AUTHOR: Suslov, A. K.TITLE: Mean free flight time of the O₂ moleculeSOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 1, 1964,
75-78TOPIC TAGS: O₂ telluric line, line contour, mean free flight time, mean collision
frequency, standard atmosphereABSTRACT: Assuming that the broadening of the O₂ telluric lines is due to
collision attenuation, the line contour can be described by the expression

$$i = 1 - \frac{(2\pi T_0)^{-2}}{(\nu - \nu_0)^2 + (2\pi T_0)^{-2}}$$

for lines whose intensity at the line center is zero. Several lines in the spectrum of the center of the solar disk, which satisfy this condition, were scanned photometrically to determine the mean free flight time T₀. Investigation

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ACCESSION NR: AP4024461

of the P₁₈ line in the A band (wavelength 7659.37 Å) gave T_o = 8.4 × 10⁻¹² sec.
Measurements at 3060 m above sea level of the P₈ line (wavelength 7632.17 Å)
resulted in the value T_o = 8.21 × 10⁻¹² sec. A theoretical calculation based on the
kinetic theory of gases leads to a mean collision frequency of 2 × 10⁹ sec⁻¹ for O₂.
The discrepancy is due somewhat to Doppler broadening but primarily to the nonuni-
form distribution of oxygen in the atmosphere and to the differences of pressure and
temperature in the various layers of the atmosphere. It is concluded that from the
observed values of T_o a more precise model of the standard atmosphere can be made.
Orig. art. has: 8 equations and 2 figures.

ASSOCIATION: none

SUBMITTED: 20May63

SUB CODE: GP

DATE ACQ: 16Apr64

ENCL: 00

NO REF SOV: 002

OTHER: 004

Card 2/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9

MAN SV, 40 K.

Telluric C₂ lines of A and B bands. Trudy & O no. 153-125-131
'64. (MIRS 17-9)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9"

SUSLOV, A.K., kand.fiz.-matem.nauk (Leningrad)

Atmosphere of Mars and astrobotany. Priroda 53 no. 12:87-89 '64.
(MIRA 18:1)

SUSLOV, A.K.; LYUBARESKIY, K.A.

letters to the editors, Izv. Kom. po fiz. plan. no.4:45-51 Ag '63.
(MIRA 18:5)

1. Leningradskiy planetariy (for Suslov). 2. Ashkhabadskaya
astrofizicheskaya laboratoriya Fiziko-Tekhnicheskogo instituta
AN Turkmenskoy SSR.

14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

TITLE: Observations of the total solar eclipse of 20 July 1963

SOURCE: Geomagnetism i aeronomiya, v. 5, no. 1, 1965, 113-120

TOPIC TAGS: upper atmosphere, ozone, solar eclipse, Hartley band, solar ultraviolet radiation, ozonometer

ABSTRACT: This article describes apparatus for the observation of direct and scattered solar ultraviolet radiation in the Hartley bands. This apparatus was used in observations of the total solar eclipse of 20 July 1963. The authors present curves of the change in intensity of direct and scattered radiation in the wavelength region of 3100, 3300, and 3600 during the period of the eclipse for two observation stations (Simushir and Petropavlovsk-Kamchatskiy). The apparatus used at the first station was a three-channel ozonometer for measurement of direct solar radiation and a single-channel ozonometer with variable light filters for measurement of the radiation scattered by the earth near the zenith. At the

end 1/3

L 34911-65

ACCESSION NR: AP5005193

second station, there was an identical single-channel ozonometer for measurement of the radiation scattered near the zenith. The ozonometers were attached to pilot-balloon theodolites, making it possible to point the instruments at the center of the solar disk. The radiation detectors were antimony-cesium end-window photomultipliers. An electrical circuit of the ozonometer is given, but there is little description of the instrument. The eclipse was total at the first station but only partial at the second. The formulas used in determining ozone content are cited. It is demonstrated clearly that there was an ozone eclipse effect where the phase was total, but nowhere it was partial. The method used in calculating darkening toward the limb of the solar disk is presented, because this factor must be taken into account for the results to have validity. The merit of the study is that identical methods and identical apparatus were used for observations at stations where meteorological conditions were different and where the phase of the eclipse was different. Possible explanations for the ozone eclipse effect are given. The authors thank S. F. Rodinov for valuable advice during preparations for and implementation of the investigation. Orig. art. has: 8 formulas, 6 figures and 4 tables. (08)

Card 2/ 3

| | | | |
|---------------------------------------|---|------------------------|---------------------------------|
| L 34911-65
ACCESSION NR: AP5005193 | ASSOCIATION: Fizicheskiy institut, Leningradskiy gosudarstvennyy universitet
(Physics Institute, Leningrad State University) | ENCL: 00
OTHER: 009 | SUB CODE: AA
ATD PRESS: 3212 |
| SUBMITTED: 02Mar64 | NO REF SOV: 013 | | |
| Card 3/3 | | | |

L 2792-66 FSS-2/EWT(1)/EWT(m)/FS(v)-3/EPF(c)/EEC(k)-2/EWA(d)/EWP(t)/EWP(b)
ACCESSION NR: AP5021355 IJP(c) JD/TT/GW

UR/0120/65/000/004/0171/0174
551.508.552

AUTHOR: Bol'shakova, L. G.; Osherovich, A. L.; Rodionov, S. F.; Suslov, A. K.; Shpakov, N. S.

TITLE: Photoelectric ozonometers for studying vertical ozone distribution

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 171-174

TOPIC TAGS: ozonometer, photoelectric ozonometer, ozone distribution

ABSTRACT: Two types of photoelectric ozonometers are compared, one with an orientation system and the other with a gypsum scattering screen. The system used in the sun-oriented ozonometer permitted it to be trained on the sun with an accuracy of $\pm 5'$. The ozonometer had two independent amplifier channels, for $\lambda_1 = 3100 \text{ \AA}$ and $\lambda_2 = 3300 \text{ \AA}$; signals from each channel were mechanically switched to a recorder. Monochromatic filters were used to increase measurement accuracy. The cesium-antimony phototubes had a spectral sensitivity limit of $\sim 6500 \text{ \AA}$, which eliminated the effect of the second maximum of filter transmission at $\lambda = 7200 \text{ \AA}$. The advantage of the screen-type ozonometer developed by the authors is that it needs no orientation system. It was found that a 5° nonperpendicularity of the screen to the opti-

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L 2792-66

ACCESSION NR: AP5021355

cal axis and a 20° deviation of the ozonometer from the vertical had no effect on the ratios of signal intensities I_1/I_2 . In tests conducted at Karadag (Crimea) and Elbrus, direct and scattered radiation was measured almost simultaneously in the same ozonometer at various values of Z_0 . Results on ozone distribution agree with those in the literature cited. This ozonometer is considered to be reliable and virtually unaffected by atmospheric conditions. Orig. art. has: 7 figures, 1 table, [TS]

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

44,55

SUBMITTED: 11Jan64

ENCL: 00

SUB CODE: ES, Ec

NO REF Sov: 007

OTHER: 005

ATD PRESS: 4103

BVK

Card 2/2

BORTSOV, A.P.; KARALAYEV, M. I.; KATTERFEL'D, G.N.; KOZLOV, V.V.; KOZYREV, N.A.;
LIZINA-MUINSKIY, L.I.; LYUBARSKIY, K.A.; SUSLOV, A.K.; FROLOV, P.M.;
IMODAK, Yu.A.

Nikolai Ivanovich Kuchakov, 1891-1965; obituary. Izv. Vses. geog.
(MIRA 1.8:8)
no.4c)88-393 Jl-Ag '65.

PERMYAKOV, N.K.; SUSLOV, A.M.

Conferences on clinical anatomy held by the Sklifosovskii Municipal Research Institute in Moscow during the period 1953-1956 and some data on the coincidence of clinical and anatomical diagnoses.
Arkh.pnt. 20 no.4:89-95 '58.
(DIAGNOSIS) (MIRA 11:5)

SUSLOV, A.M. (Moskva)

So-called lipomelanotic reticulosis (Pantriez-Woringer's disease)
[with summary in English]. Arkh.pat. 21 no.1:59-64 '59.
(MIRA 12:1)
1. Iz patologoanatomiceskogo otdelemya (zav. - prof. A.V. Smol'-
yannikov) Nauchno-issledovatel'skogo instituta imeni N.V. Sklifo-
sovskogo (dir. - zasluzhennyi vrach USSR M.M. Tarasov).
(LYMPH NODES, dis.
lipomelanotic reticulosis (Bus))

SAPOZHNIKOV, M.A.;

(SUSLOV, A.M.); BESPROZVANNYY, B.K. (Moskva)

Macrofollicular lymphoblastoma of the gastrointestinal tract.
Arkh. pat. 22 no. 10:65-71 '60. (MIRA 13:12)

1. Iz patologoanatomiceskogo otdiela (zav. - prof. A.V. Smol'yannikov)
Nauchno-issledovatel'skogo instituta imeni N.V. Sklifosovskogo
(dir. - zasluzhennyj vrach USSR M.M. Tarasov).
(DIGESTIVE ORGANS--TUMORS)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9

SUSLOV, A.M.

Pulmonary adenomatosis. Grud. khir. 3 no. 2:106-109 '61.
(MIRA 14:4)
(LUNGS—TUMORS)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9"

SUSLOV, A.M. (Moskva)

Recurrent cancer of the duodenal stump after gastric resection
in cancer. Klin.med. 39 no.2:68-74 F '61. (MIRA 14:3)

1. Iz patologoanatomiceskogo otdeleniya (zav. - prof. A.V.
Smol'yanikov) Nauchno-issledovatel'skogo instituta imeni N.V.
Sklifosovskogo (dir. - zasluzhennyj vrach USSR M.M. Tarasov,
nauchnyy rukovoditel' - prof. B.A. Petrov).
(DUODENUM—CANCER)

SUSLOV, A. N.

"The Intensity of Tellurium Lines."

Report presented at the Plenary Meeting of the Committee of Planetary Physics,
Council of Astronomers, Khar'kov, 20-22 May 1958.
(Vest. Ak Nauk SSSR, 1958, No. 6, p. 113-114)

SOBOLEVA, T.A.; SUSLOV, A.P.;

DAVLETSHIN, A.A.

Fractional reaction for the lithium ion. Trudy Uralpolitekh.inst.
no.121:67-70 '62.

(MIRA 16:5)

(Lithium Analysis)

SOBOLEVA, T.A.; SUSLOV, A.P.; SAPOGOV, N.V.

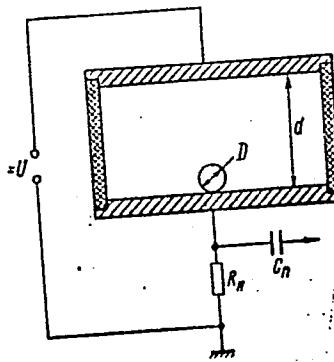
Fractional reaction for thorium and uranium ions. Trudy Ural.politekh.
inst.no.121871-75-62.
(Thorium--Analysis) (Uranium--Analysis)

(MIRA 16:5)

| | | | |
|---|---|--------|---------|
| L 05545-67 | PWT(n) | MPF(s) | |
| ACC NR: | SOURCE CODE: UR/0089/66/020/005/0442/0444 | | |
| AUTHOR: Myazdrikov, O. A.; Demidovich, V. N.; Suslov, A. P. | | | 47
B |
| ORG: | none | | |
| TITLE: Ionization-mechanical detector for ionizing radiation (0) | | | |
| SOURCE: Atomnaya energiya, v. 20, no. 5, 1966, 442-444 | | | |
| TOPIC TAGS: ionization detector, ionizing radiation, capacitor | | | |
| <p>ABSTRACT: The detector is based on an electromechanical diode invented by the author (Author's Certificates nos. 155049 and 168805), wherein a small charged body is made to oscillate between the electrodes of a capacitor and exchange charge alternately between the capacitor plates (Fig. 1). The body employed is a sphere of polystyrene (type PS-5B) coated with graphite to make its surface conducting. Relations are established between the electrode voltage, interelectrode distance, diameter of the body, and the weight of the body. Application of ionizing radiation reduces the natural frequency of the oscillations and can be used to determine the number of ionizing particles. The detector was calibrated against γ radiation from cobalt at a dose intensity from zero to 380 r/sec and calibration curves for this range are presented. At dose intensities above 50 r/sec the relation between the oscillation frequency and the dose intensity is parabolic. It is proposed that the ionization-mechanical detector can solve some special problems in the measurement of large radiation fluxes of different types, especially low-energy radiation. Orig. art. has: 2 figures and</p> | | | |
| Card 1/2 | UDC: 621.376.577.391 | | |

I 05645-67
ACC NR: AP6018363

Fig. 1. Diagram of detector.



9 formulas.

SUB CODE: 20/

SUBM DATE: 16Oct65/

ORIG REF: 003/

OTH REF: 001

Card 2/2 egh

SUSLOV, A. S.

USSR/Fuel - Coal, Powdered Boilers

Jul 50

"Setting and Testing of Slotted Powdered Coal Burners," V. N. Bereznegovakaya,
A. I. Kryukov, A. S. Suslov, Engineers

"Elek Stants" No 7, pp 12-15

Describes experiments to improve clinkerless operation of boilers by fine setting of slotted burners. Recommends controlled rate of discharge of dust cloud through burner so that by slightly increasing discharge speed through lower slots jet can be used in lower part of furnace. Experiments achieved increase of 20-30% in clinkerless efficiency of boiler.

PA 162T36

SUSICOV, A. V.

25827 Letniy posev mnogoletnih zhalovykh trav s ee zheu rannymi semenami v
dbyzzi s ikh posleboroschnym dozre aniem. Sov. agronobiya, 1949, No. 8,
s, /4-91

SO: Letopis ' Zhurnal'nykh Statley, Vol. 34, Moskva, 1949

SUSLOV, A.V.

Effect of zero point stability and the method used for the determination of the sensitivity of balances on the results of precision weighing. Trudy VNIIM no.19:13-20 '52. (MIRA 11:6)
(Balance)

SUSLOV, B., kandidat khimicheskikh nauk.

Value of a discovery. Znan.sila 31 no.11:15-19 N'56. (MIRA 9:12)
(Deuterium oxide)

KUZNETSOV, Aleksandr Andreyevich; SUSLOV, Boris Ivanovich; SAL'NICHENKO, M.A., red.; DIKUSAR, V.V., red.izd-va; SUKMANOVA, K.G., tekhn.red.

[Monetary wages] Denezhnaisa oplata truda. Perm', Permskoe knizhnoe izd-vo, 1960. 25 p. (MIRA 14:2)

1. Metodist Doma politicheskogo prosveshcheniya pri Permskom obkome Kommunisticheskoy partii Sovetskogo Soyuza (for Sal'nichenko). (Perm Province--Collective farms--Income distribution)

MASALKIN, Nikolay Konstantinovich; SUSLOV, Boris Ivanovich;
SAL'NICHENKO, M.A., metodist, red.; NIKOLAYEV, S.F., red.
izd-va; SUKMANOVA, K.G., tekhn. red.

[Indivisible funds of collective farms] Nedelimye fondy kol-
khozov. Perm', Permskoe knizhnoe izd-vo, 1960. 17 p.
(MIRA 15:4)

1. Dom politicheskogo prosveshcheniya pri Permskom oblastnom
komitete Kommunisticheskoy partii Sovetskogo Soyuza (for
Sal'nichenko).

(Perm Province—Collective farms--Finance)

KARNAUKHOV, L.A.; SUSLOV, B.M.

Durability and wear resistance of rolling bearings of mass-produced roller bits. Trudy GrozNII no.10:21-31 '61.
(MIRA 15:2)
(Boring machinery)

SUSLOV, B. N.

"Between Dust Particles and Molecules" (Mezhdu Pylinkami i Molekulami), B. N. Suslov,
Gostekhizdat, Moscow/Leningrad, 1949, 56 pages, 1 ruble

SO: Uspekhi Khimii, Vol 18, #6, 1949; Vol 19, #1, 1950 (W-10083)

SUSLOV, B. N.

"Mezhdii prashinkite i molekulite. Prevel ot ruski K. Totec. (Sofiya) Nauka i izkustvo (1951) 75 p. (Nauchno-populiarna biblioteka) (Between the dust particles and the molecules. Tr. from the Russian)

SO: East European, L. C. Vol. 2, No. 12, Dec., 1953

SUSLOV, B

WASSER. BERLIN, AUFBAU-VERLAG, 1954. 74 P. ILLUS., DIAGRS., MAP ("WISSENSCHAFT UND TECHNIK" 38)

TRANSLATION FROM THE RUSSIAN: VODA, MOSCOW, 1950

SO: N/5
103.3
.S91

SUSLOV, B.N.; BOGOROV, V.G., professor, redaktor; KADER, Ya.M., redaktor;
MEZHERITSKAYA, N.P., tekhnicheskiy redaktor.

[Water and its use] Voda i ee primenenie. Pod red. V.G.Bogorova.
Moskva, Voennoe izd-vo Ministerstva oborony SSSR, 1954. 104 p.
[Microfilm]
(Water)

SUSLOV, N. N. and KUDRYAVTSEV, R. B.

"Investigation of Liquid Binary Systems with Various Natures of the Molecular Interaction of the Components," a report presented at a conference of professors and teachers of the institutes of the Ministry of Education RSFSR and published in the "Application of Ultrasonics to the Investigation of Substances," Moscow, 1955

SUSLOV, B.N.

Collected works on "Use of ltrasound in the study of matter." V.F.
Nozdrev, B.B. Kudriavtsev, eds. Reviewed by B.N. Suslov. Zhur.
fiz, khim. 30 no.3:717-718 Mr '56. (MLRA 9:8)
(Ultrasonics)
(Chemistry, Physical and theoretical)
(Nozdrev, V.F.)
(Kudriavtsev, B.B.)

5(0)

PHASE I BOOK EXPLOITATION

SOV/1431

Suslov, Boris Nikiforovich, Candidate of Chemical Sciences

Tyazhelaya voda (Heavy Water) Moscow, Gostekhizdat, 1958. 55 p.
(Series: Nauchno-populiarnaya biblioteka) 75,000 copies printed.

Ed.: Mezentsev, V. A.; Tech. Ed.: Kryuchkova, V. N.

PURPOSE: This book is intended for the general reader interested in the mechanism and behavior of nuclear phenomena.

COVERAGE: With heavy water as a point of departure the author describes modern concepts of the atomic structure of isotopic elements, the periodicity of elements, the origin of nuclear energy, chain reactions, mass spectroscopy and other facets of nuclear physics and atomic energy. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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Introductory remarks

Card 1/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9

Heavy Water

SOV/1431

| | |
|--|----|
| The great law of nature [periodicity] | |
| "Brother-atoms" [radioactive families of elements] | 5 |
| New application of an old hypothesis [mass spectroscopy] | 11 |
| The discovery of deuterium | 16 |
| Ten kinds of water | 20 |
| Properties of "unusual" water [water containing isotopic hydrogen] | 24 |
| The search for heavy water [in nature] | 27 |
| Preparation of deuterium and heavy water | 29 |
| How a chain reaction takes place | 30 |
| Big "brother" of deuterium [uranium] | 43 |
| | 49 |

AVAILABLE: Library of Congress (QD181.H1S788)

JM/mal
4-30-59

Card 2/2

Device for the Determination of the Viscosity of
Liquids Under Production Conditions

05755

SOV/32-25-10-44/63

which causes a variation of the position of the water level in the connecting socket of the upper vessel. Though the capillary tube in the lid of the vessel permits the air to escape slowly, it produces a sort of "air cushion" in the upper vessel. The measuring principle of the viscosimeter consists in the fact that the device is dipped so far into the liquid to be investigated as is possible without varying the water level and in order that the depth to which the device is dipped into the liquid may be read off from the scale of the tube connecting the two vessels. By the viscosity of the liquid under investigation the velocity with which the liquid flows into the vessel is determined and thus also the depth to which the viscosimeter is dipped into the liquid. As the cross section of the connecting socket, into which the liquid under investigation penetrates, is large it is possible to measure also liquids which are not homogeneous. There is 1 figure.

ASSOCIATION: Institut narodnogo khozyaystva im. G. V. Plekhanova
Card 2/2 (Institute of the National Economy imeni G. V. Plekhanov)

SOV/ 112-58-1-587

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1, p 87 (USSR)
AUTHOR: Suslov, B. V.

TITLE: New Main-Line Electric Locomotives (Novyye magistral'nyye elektrovozzy)
PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz. i
avtomatiz. nar. kh-va, Moscow, 1956, pp 5-15

ABSTRACT: Within the framework of general electrification of Soviet railroads,
new main-line electric locomotives will play a decisive role in the fulfillment
of railroad transportation plans. Fundamental ratings of DC type N8 and
VL23 and AC type NO electric locomotives are shown in the table appearing on
card 2/4:

Card 1/4

SOV/112-58-1-587

New Main-Line Electric Locomotives

| | N8 | VL23 | NO |
|--|---|--------------------------------|--------------------------------|
| Voltage on the pantograph, v | 3,000 | 3,000 | 20,000 |
| One-hour rating: | | | |
| Power, kw | 4,200 | 3,150 | 2,400 |
| Tractive force, kg | 35,200 | 26,400 | 23,400 |
| Speed, km/h | 42.6 | 42.6 | 40 |
| Construction speed, km/h | 90 | 90-100 | 85 |
| Weight, t | 180 | 138 | 132 |
| Axial load, metric tons | 22.5 | 23 | 22 |
| Running part formula | B ₀ +B ₀ +
+B ₀ +B ₀ | C ₀ +C ₀ | C ₀ +C ₀ |
| Bumper-to-bumper length, m | 27.5 | 16.97 | 16.39 |

8-axis N8 electric locomotive is intended for high-traffic lines with very heavy grades. It has entirely new electrical equipment and instruments, as compared

Card 2/4

SOV/112-58-1-587

New Main-Line Electric Locomotives

to VL 22m type. A 4-pole type NB 406 traction motor with commutating poles and a particularly reliable commutation permits field weakening down to 36%. Modern technological methods (nonsplit body and truck frames, profiled sheet enclosure, bent-profile body pieces) and a new running-part construction permitted cutting locomotive weight by 36%, compared to the General Electric Company's locomotive of equal capacity. 6-axis VL23 electric locomotive is intended to replace the VL 22m on high-traffic sections on flat terrain. The mechanical part largely comprises the subassemblies of VL 22m. Electrical equipment is standard with that of N8 locomotive. Both DC motors of the locomotive are equipped with regenerative braking according to one of the most economical schemes. An experimental 6-axis type NO mercury-rectifier locomotive with 8 water-cooled ignitrons and with DPE 400 traction motors uses a full-wave rectification circuit and zero-point transformer. Speed regulation is effected by changing secondary voltage. Tests and tentative operation results of 4 experimental NO locomotives are being used in developing

Card 3/4

SOV/112-58-1-587

New Main-Line Electric Locomotives

construction of new main-line AC 50-cps locomotives with production scheduled for 1959-1960.

B.N.G.

AVAILABLE: Library of Congress

1. Railroads--USSR 2. Locomotives--Operation 3. Electricity--Applications 4. Electrical equipment--Design

Card 4/4

SUSLOV B.V.

SIDOROV, N.N., kandidat tekhnicheskikh nauk; SUSLOV, B.V., inzhener.

System of cab supports for new types of main line electric
locomotives. Vest. TSMII MPS 15 no.1:41-45 Ag '56. (MLRA 9:12)

(Electric locomotives)

SUSLOV, B.V.

Electricity instead of steam. Znan.sila 31 no.2:9-11 F '56.
(MLRA 9:5)

1. Glavnnyy konstruktor Novocherkasskogo elektrovozostroitel'nogo
zavoda imeni S.M. Budennogo.
(Electric locomotives)

GRIGOR'YEV, Ye.T., inzhener; KOCHURAYEV, L.D., inzhener; KUROCHKA, A.L.
inzhener; SUSLOV, B.V., inzhener; TUSHKANOV, B.A., inzhener;
SHAPIRO, I.B., inzhener.

Design features of the VI23 electric locomotive. Zhel.dor.
transp. 37 no.3:16-22 Mr '56. (MLRA 9:5)
(Electric locomotives)

SUSLOV, B.V.

105-6-22/26

AUTHOR PETROV, S.A.Cand.techn. sciences, TIKHMEDEV, B. N., Eng., SUSLOV, B.V., Eng.
 TITLE Problems of Railroad Electrification.
 PERIODICAL (Voprosy elektrifikatsii zheleznykh dorog.- Russian)
 Elektricheskovo, 1957, Nr 6, pp. 82-90 (U.S.S.R.)
 ABSTRACT In summer 1956 the new mercury rectifier-electrolocomotives of the series NO, constructed by the electrolocomotive manufacturing plant in Novocherkask, were tested on the testing line Ozerel'ye-Pavelets, 137 km of length, (south of Moscow). The essential data of these locomotives are - sequence of axles Co + Co, axle load 22 t, clutch weight 122 t, speed 75 km/h, diameter of wheel 1200 mm, voltage at collector bow 20.000 V, type of current-monophase alternating current with 50 cycles per second, type of motor DPE -400, hourly output 425 kW, at hourly operation - traction 23 400 kg and 40,5 km/h, at continuous operation - traction 16 600 kg and 43 km/h. The average operating efficiency with consideration of internal consumption is 0,81-0,82 power coefficient 0,8-0,82. The energy coefficients agree well with those of mercury-rectifier-electrolocomotives abroad. Imperfections which occurred at the trial trips are enumerated and suggestions for improvements are made. The rectifier aggregates do not yet work reliable enough, safety devices have to be improved, a recuperative braking would be of great importance, new semiconductor rectifiers might be used, the system of auxiliary aggregates should be coupled with the compensating device for idle power of the locomotive. It is further stated that electrification based upon alternating current with industrial frequency and a volta-

Card 1/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001654010014-9"

105-6-22/26

Problems of Railroad Electrification.

Problems of Railroad Electrification. Problems in the consumer line of 20-25 kV is absolutely preferable to electrification based upon direct current with a voltage of 3 kV. Problems in connection with coordinating both types of current are discussed. A survey was also given of the experience made with problems concerning rectifier electrolocomotives in France. Finally the data of the two new six-axle test electrolocomotives of the series N60 with 4 000 Kw are given - clutch weight 138 t, speed 45 km/h, frequency 50 hertz, voltage 20 kV, traction (at hourly operation) 33 t.

ASSOCIATION Institute for Complex Transport Problems of the Academy of Science of the U.S.S.R., Allunion Institute for Railroad Affairs of the Ministry of Traffic.
 PRESENTED BY
 SUBMITTED
 AVAILABLE Library of Congress.
 Card 2/2

SUSLOV, B.V.

DIANOV, I.P., kandidat tekhnicheskikh nauk.; SUSLOV, B.V., inzhener.

For development of specialization and cooperation in the locomotive building industry of the U.S.S.R. Vest. elektroprom 28 no.1:
45-49 Ja '57.
(MLRA 10:4)

1. Novocherkasskiy politekhnicheskiy institut (for Dianov).
2. Novocherkasskiy elektrovozostroitel'nyy zavod (for Suslov).
(Locomotives)

SUSLOV, B.V., inzh.

From individually produced electric locomotives to mas production.
Vest. elektroprom. 28 no.11:32-36 N '57. (MIRA 10:12)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives)

AUTHOR: Suslov, B.V., Chief Designer SOV/144-58-8-2/18

TITLE: New Electric Locomotives for Main-line Railways (Novyye elektricvozy dlya magistral'nykh zheleznykh dorog)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 8, pp 5 - 14 (USSR)

ABSTRACT: The earlier produced locomotives VL-22-m (Figure 1) have been substituted by new types, VL-23, of 4 300 HP and the production is being started of N60 AC locomotives. In 1956, the works began manufacturing 8-axle main-line DC locomotives of 5 700 HP, which are the most powerful in the Soviet Union (Figure 2). These are able to pull rolling stock weighing 3 200 to 3 500 tons on a gradient of 9% with a speed of 40 to 45 km/h. Prototypes have been produced of the 6-axle electric locomotives VL-23 (Figure 3), which are intended primarily for heavily loaded lines with predominantly gradient-free runs. In 1953-1954, the Novocherkassk Electric Locomotive Works designed and produced two 6-axle type NO single-phase DC locomotives with ignitron rectifiers; these are at present in operation on the experimental line Ozherel'ye-Pavelets (Figure 4).

Card1/2

SOV/144-58-8-2/18

New Electric Locomotives for Main-line Railways

In 1957, a design was put forward and two prototypes have been built of a 6-axle AC 5 500 HP locomotive, N60 (see Figure 5). This locomotive is intended to be the basic locomotive for main lines with AC electrification. Their one-hour tractive effort is 33 tons, their speed 45 km/h, their rated speed 110 km/h, weight (full) 138 tons, load per axle 23 tons. It is stated that the performance of the locomotive N60 compares favourably with the performance of the corresponding French- and American-built locomotives. The design features of these locomotives are briefly discussed. There are 5 figures and 2 German references.

ASSOCIATION: Novocherkasskiy elektrovozostroitel'nyy zavod
(Novocherkassk Electric Locomotive Works)

Card 2/2

SUSLOV, B.V., inzh.

Type of electric rectifier locomotives, Zhel. dor. transp. 45
no. 4:57-60 Ap '63. (MIRA 16:4)

(Electric locomotives)

RAKOV, Vitaliy Aleksandrovich; KALININ, S.S., inzh., retsenzent;
SUSLOV, B.V., inzh., retsenzent; NAKHODKIN, M.D., kand.
tekhn. nauk, retsenzent; FAMINSKIY, G.V., kand.tekhn.
nauk, retsenzent; ROGOVA, Ye.N., inzh., retsenzent;
KRYLOV, V.I., inzh., retsenzent; NOVIKOV, V.N., inzh.,
retsenzent; GORELIK, I.A., inzh., red.; BOBROVA, Ye.N.,
tekhn. red.

[Series ChS2 electric locomotive for passenger trains]
Passazhirskii elektrovoz serii ChS2. Moskva, Transzhele-
dorizdat, 1963. 359 p. (MIRA 17:1)

REBARBAR, Ya.M.; SUSLOV, D.A.

Photoelectric head for reading the design pattern in the automatic cutting of jackard punched cards for looms. Izv.vys.ucheb.zav.; tekhn. tekst.prom. no.3:103-111 '63. (MIRA 16:9)

1. Moskovskiy tekstil'nyy institut i TSentral'nyy nauchno-issledovatel'skiy institut lubyanykh volokon.
(Jacquard weaving) (Punched card systems)

SUSLOV,D.N.,; KHARIN,I.V.

A machine for cutting wire ropes in bronze bushings. Avt.
trakt. prom. no.6: Insert Je '55. (MIRA 8:9)
(Wire rope) (Cutting machines)

SUSLOV, F.I., inzh.

Underpass constructed within 2 1/2 months. Avt. dor. 22 no.5:9
My '59. (MIRA 12:8)
(Kiev--Underpasses)

KOLOKULOV, N.M., doktor tekhn. nauk; KEDROV, A.I., kand. tekhn. nauk;
PROKOPOVICH, A.G., kand. tekhn. nauk; BALYUCHIK, E.A., inzh.;
BELENCHENKO, V.A., inzh.; SUSLOV, F.I., inzh.

Tensioning of rod reinforcement of piling by the electrothermal
method. Transp. stroi. 15 no.4:22-25 Ap '65.

(MIRA 18:6)

SUSLOV, F. P.

SUSLOV, F. P.- "Features of Breathing During Medium-Distance Running." State Central Order of Lenin Inst of Physical Culture imeni I. V. Stalin, Moscow, 1955 (Dissertations for the Degree of Candidate of Pedagogical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

| | | |
|-------------|--|--------------------|
| 3 (7) | | |
| AUTHOR: | Suslov, G. I. | SOV/50-59-12-10/23 |
| TITLE: | From the Experience of Hydrometeorological Service of the Alma-Ata Sovnarkhoz | |
| PERIODICAL: | Meteorologiya i gidrologiya, 1959, Nr 12, pp 36 - 38 (USSR) | |
| ABSTRACT: | Before the organization of the sovnarkhozes, the enterprises and construction sites of the Republic were distributed over various ministries and authorities. After the formation of the sovnarkhozes, the principal role in the organization of hydrometeorological service to industry passed over to the Hydrometeorological Office. A list of the enterprises and construction sites needing service was compiled at first. A service plan was then worked out. The direct hydrometeorological service to the Alma-Ata sovnarkhoz and its enterprises is performed by the Alma-Ata Weather Bureau, the hydrometeorological offices in Dzhambul and Taldy-Kurgan, as well as the hydrometeorological stations in Issyk, Chilik, Kurday, Ili, Novo-Troitsk, Ush-Tobe, Tyul'kubas, and others. The Alma-Ata Weather Bureau coordinates the service. In Dzhambul and Taldy-Kurgan, there are hydrometeorological offices of 4th class (without synoptic groups).
For this reason, the daily forecasts and warnings of dangerous | |

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From the Experience of Hydrometeorological Service SOV/50-59-12-10/23
of the Alma-Ata Sovnarkhoz ,

weather phenomena are issued by the local AMSG (Air Weather Station of the Civil Air Fleet). There is no direct connection between the AMSG and the enterprises and construction sites. The daily consultations of the leading staff of the sovnarkhoz belong to the daily practice of the service. Joint consultations are held on important occasions. The visits of experts from the Weather Bureau and the Hydrometeorological Office to enterprises and construction sites are very valuable. Visits of groups, e.g. of hydrologists or synoptic meteorologists, are also organized.

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Card 2/2

SUSLOV, G.K.; CHEREYSKIY, I.A.

Aluminum coating of reflectors and new headlight optics. Avt.trakt.prom.
no.5:insert opp.p.25 My '53. (MLRA 6:5)
(Automobiles--Lighting)

SUSLOV, G.M. [Suslov, H.M.]

Electric shelter for chicks. Mekh. sil'. hosp. 12 no. 5:21-22 My '61.
(MIRA 14:5)

1. Khar'kovskiy sel'skokhozyaystvennyy institut.
(Poultry houses and equipment)

L'vov, I. N.; Ushatov, S. F.

Grinding and Polishing

Invisible cracks in chromium-plated parts. Stan. i Instr., 23, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1958, Uncl.
2

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|--|--------------------|------------------------------|
| 1. SUSLOV, G. V. | | |
| 2. USSR (600) | | |
| 4. Poultry Breeding - Nizhnedevitsk | District | |
| 7. Local Nizhnedevitsk chickens from no. 8, 1952. | Voronezh Province. | G. V. Suslov. Pittsevodstvo, |
| 9. <u>Monthly List of Russian Accessions</u> , Library of Congress, February 1953. Unclassified. | | |

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|---|--|--|
| 1. SUSLOV, G. V. | | |
| 2. USSR 600 | | |
| 4. Poultry Breeding | | |
| 7. Periods for hatching breeding chicks on collective farms of the chernozem zone,
Trudy NIIP, 22, 1952. | | |
| | | |
| 9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl. | | |

SUSLOV, G. V.

Dissertation: "Increasing the Productivity of Chickens in the Kolkhozes of
the Central Chernozem Zone." Cand Agr Sci, Sci Res Inst of Aviculture,
7 May 54. (Vechernaya Moskva, Moscow, 28 Apr 54)

SO: SUM 243, 19 Oct 1954

SUSLOV, G.V., kand. sel'skokhozyaystvennykh nauk.

Establishing food norms for poultry. Ptitsevodstvo 8 no.5:12-16
(MIRA 11:5)
My '58.
(Poultry--Feeding and feeding stuffs)

SUSLOV, G.V., kand. sel'skokhozyaystvennykh nauk

Production cost of eggs and measures for its reduction.
Ptitsevodstvo 9 no. 5:25-27 My '59. (MIREA 12:7)
(Eggs--Production)

SUSLOV, IRENEUSH. Cand Med Sci -- (diss) "Canned ^{milk} products in the
diet ^{of} nutrition of infants with acute digestive and chronic nutritional disorders."
Len, 1959. 16 pp (Len Pediatric^m Med Inst), 250 copies (KL, 46-59, 140)

72
-73-

SUSLOV, Ireneush

Blood enzymes in children with acute digestive disorders and chronic nutritional disturbances during feeding with human milk and dry milk mixtures. Vop. okh. mat. i det. 5 no. 2:22-26
Mr-Ap '60. (MIRA 13:10)

1. Iz kafedry gospital'noy pediatrii (zav. - deystvitel'nyy chlen AMN SSSR, Zasluzhennyy deyatel' nauki prof. A.F. Tur) Leningradskogo pediatricheskogo meditsinskogo instituta (direktor - prof. N.T. Shutova).
(ENZYMES) (INFANTS—NUTRITION) (MILK, DRIED)
(MILD, HUMAN)

SUSLOV, I.

Accounting

Coordination of theory and practice of statistics and analysis of economic activity, Bukhg.
uchet, 11, No. 4, 1952

Monthly List of Russian Accessions. Library of Congress, July 1952. Unclassified.

SUSLOV, I.

Consolidating and developing business accounting on collective farms. Vop.ekon. no.11:49-57 N '59. (MIRA 12:12)

1. Predsedatel' kolkhoza "Perekovik," Vladimirsckoy oblasti.
(Vladimir Province--Collective farms--Accounting)

SUSLOV, I.A.

Conference of the readers of "Konservatoria i ov. resushitel'-naia promyshlennost'" journal in Ternopol'. Kons. i ov.prom. 18 no.10:44-46 O '63. (MIRA 16:11)

SUSLOV, I.A.

Conference on the future development of the canning and dried vegetables industry of the Podolian Economic Region. Kons. i ov. prom. 18 no.11:44-45 N '63. (MIRA 16:12)

| | | |
|-------------|---|--------------------|
| AUTHOR: | SUSLOV, I.A. | PA - 2828 |
| TITLE: | On an Amplifier with Combined Feedback. (Ob uailitele s kombinirovannoy obratnoy svyaz'yu, Russian) | |
| PERIODICAL: | Radiotekhnika, 1957, Vol 12, Nr 3, pp 71 - 75 (U.S.S.R.) | |
| | Received: 5 / 1957 | Reviewed: 6 / 1957 |
| ABSTRACT: | <p>In Radiotekhnika, 1955, Nr 7, the article by M.M. AYZINOV "Impulse Amplifier with Two-Channel Feedback" was published. The author - AYZINOV - maintains that the two-cascade scheme suggested by him makes a twelve times larger amplification possible than that of the two-cascade amplifier with an ordinary correction scheme. He expresses the opinion that this scheme will be widely used in practice. Now it is stated by SUSLOV that the basic formula for the amplification coefficient is wrong. SUSLOV proves this and states that AYZINOV makes a further mistake by assuming SR = 1. This is permitted only if SR can be put before the term instead of K as a common multiplier. In the course of further computation the coefficients D, E, F are wrongly computed. Also, the formula for the maximum amplification coefficient is wrongly computed and contradicts the general formula for this coefficient at the beginning of the article. All errors of this article occur also in AYZINOV'S book and further errors were added. SUSLOV expresses surprise that AYZINOV did not check his theoretical results by means of experiments. SUSLOV tested AYZINOV's scheme on three models with the result that the "amplifier"</p> | |
| Card 1/2 | | |

PA - 2828

On an Amplifier with Combined Feedback.

constantly generated relaxation (oscillations). It is further shown that AIZINOV's scheme showed poorer results than the simplest correction scheme.

(5 illustrations and 2 citations from Slav publications)

ASSOCIATION: Not given.

PRESENTED BY:

SUBMITTED 9.1.1957

AVAILABLE: Library of Congress

Card 2/2

SUSLOV, I. A.

I. A. Suslov, "Stabilization of phase relations in a resonant amplifier using back-coupling." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep 58.

Stability of an amplifier containing an output stage with two coupled loops and a number of preliminary single-loop stages is analyzed depending on the quality of the loops and the coupling coefficient between the loops of the final stage and also on the circuits of the feedback loops.

SUSLOV, I.A.

Conductance of a two-terminal network in the circuit of a
cathode-coupled oscillator. Izv.TPI 86:41-73 '58.
(MIRA 13:5)

(Oscillators, Electric)

SUSLOV, I.A.

Theory of
86:74-104

a cathode-coupled nonlinear oscillator. Izv. MPI
'58.
(Oscillators, Electric)

SUSLOV, I.A.

Correction of distortions of pulse peaks in amplifier cascades
with unbypassed cathodes and with screen grid potential taken
from the plate filter. Izv.TPI 86:105-111 '58.
(MIRA 13:5)

(Amplifiers (Electronics))

Suslovy I.A.

| | | |
|---|-------------------------------|--|
| | | |
| L. N. Капов
Некоторые геометрические свойства полупроводниково-го генератора, обуславливающие эффекты полулучистой зоны бора | | V. P. Шаморев
О применении конструирования макромолекулярных полимерных упаковок |
| 6 СЕКЦИЯ ПРИЕМНЫХ УСТРОЙСТВ
Руководитель: Н. Н. Чаренов
12 июня
(с 10 до 16 часов) | | N. A. Суслов,
E. N. Смирнов
Взаимное влияние электрического и магнитного полей на характеристики упаковки с полупроводниковой смесью в чистом виде и с параллельной вибрацией горячего и холодного конца |
| M. Г. Гагубинов,
Л. Г. Резник,
Л. С. Тифчик
Прямоугольное устройство для измерения статистических характеристик сигналов при тронофотометрии
личин разномасштабного | | N. N. Пустынцев
Коррекция испытаний фронтов изгиба в магнитных упаковках пластмассовых генераторов |
| Ю. Н. Баданов
Использование фазовых прецизионных ступеней для измерения амплитудно-частотных систем связи | | K. N. Савицкий
Об обратимости оптических пружинов в диапазоне ЭКЗ |
| B. В. Рогозин
Метод определения параметров кристаллического детектора в синтетическом диапазоне | 12 июня
(с 16 до 22 часов) | G. N. Денисов,
O. N. Волчкова
Методы электрической регулировки плавки проволоки в электротехнических полисиликоновых фильтрах |
| | | 8 СЕКЦИЯ ПРОВОДНОЙ СВЯЗИ
Руководитель: Н. Н. Гришко
8 июня
(с 10 до 16 часов) |
| | | |

Report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in. A. B. Город (VNIKKE), Moscow,
8-12 June, 1959

SUSLOV, I.A.; SVIRYAKIN, D.I.

Effect of temporary changes in dynamic conductivities on the characteristics of a video-frequency amplifier with a correcting capacitance in the cathode circuit and a parallel induction correction in the anode circuit. Izv. TPI 105:102-118 '60.
(MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo instituta imeni Kirova.
(Amplifiers (Electronics))

SUSLOV, I.A.

Video amplifier with a general filter. Izv. TPI 105:119-128 '60.
(MIFA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta
Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo
instituta imeni Kirova.
(Amplifiers (Electronics)) (Electric filters)

FIALKO, Yevgeniy Iosifovich; SUSLOV, I.A., red.; OSOVSKIY, A.T.,
tekhn. red.

[Some problems affecting the radio-echo observation of meteors]
Nekotorye problemy radiolokatsii meteorov. Tomsk, Izd-vo Tomskogo
univ., 1961. 208 p.
(Meteors) (Radar in astronomy)

SUSLOV, I.A., dotsent

Defense of dissertations in the Institute of Radio Electronics and
Electronic Engineering in Tomsk. Izv. vys. ucheb. zav.; radiotekh.
6 no.3:323 My-Je '63. (MIRA 16:9)

1. Leningradskiy elektrotekhnicheskiy institut svyazi imeni
M.A.Bonch-Bruyevicha.
(Bibliography--Electric engineering)

L 1296-66 EWT(1)/EWA(h)

ACCESSION NR: AR5008943

UR: 0274/65/000/002/B065/B065

621.375.121

SOURCE: Ref. zh. Radiotekhnika i elektron svyazi. Svodnyy tom, Abs. 2B390

17
B

AUTHOR: Suslov, I. A.

TITLE: Effect of the spurious capacitive feedback on the video-amplifier
characteristicsCITED SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron tekhn., v. 2, 1964,
171-187

TOPIC TAGS: video amplifier

TRANSLATION: It is proven that a composite-resonance method recommended in the article is the most accurate method for measuring small internal capacitance C_e of r-f-correction inductors in video amplifiers. A formula for C_e is derived. It is shown that the resonance at one of the frequencies is due only to the r-f inductor parameters. Ideal and real curves of the transmission factor modulus vs. normalized frequency are compared. For higher accuracy of measurement, the use of a low-input-impedance-and-capacitance oscillator and a low-input-conductance-and-capacitance electronic voltmeter is recommended. Bibl. 2.

ENCL: 00

Card 1/1st SUB CODE: EC

| | |
|--|---|
| ACC NR: AR7001752 | SOURCE CODE: UR/0274/66/000/010/A011/A011 |
| AUTHOR: Suslov, I. A. | |
| TITLE: Summing up pulse front distortions in a multistage amplifier | |
| SOURCE: Ref. zh. Radiotekhnika, i elektrosvyaz', Abs. 10A82 | |
| REF SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn. no. 4, 1965,
141-152 | |
| TOPIC TAGS: pulse amplifier, signal distortion, multistage amplifier, pulse
front distortion, <i>pulse signal</i> | |
| ABSTRACT: A description is given of a method for investigating the rules for
summing up pulse distortions in which elementary algebraic operations are used.
The method is valid for monotonic transient characteristics and those with a small
overshoot or close to the critical. It is shown that the known formula relating the
front duration ' Φ ' of the transient response to the number n of identical stages and
the transient response front of one stage ' Φ_1 ', | |
| Card 1/2 | $\Phi = \sqrt{n} / \Phi_1$ |
| | UDC: 621.391.83:621.375 |

ACC NR: AR7001752

is valid when overshoots occur in the amplifier. The specific feature of the method is that there is no disparity between the integral and local estimates of transients. If the rated transient responses are similar, their abscissae are proportional at equal local levels. Consequently, it is not necessary to separate the integral estimates and set them against local estimates. There are five illustrations and a bibliography of 7 titles. [Translation of abstract] [DW]

SUB CODE: 09/

Card 2/2

SUSLOV, Ivan Fedorovich; KHMELEVSKIY, N.N.

[Process of reproduction on collective farms] Protsess
vospriozvodstva v kolkhozakh. Moskva, Vysshiaia shkola,
1962. 103 p. (MIRA 16:8)
(Agriculture, Cooperative)

DOROSHEV, I.A., prof., red.; IGNATOV, S.A., dots., red.; SUSLOV,
I.F., kand. ekon. nauk, red.; GRUSHCHENKO, I.P., red.;
ROGACHEV, S.V., red.; VORONINA, N.V., red.

[Several problems of the intensification of agriculture]
Nektoroye problemy intensifikatsii sel'skogo khozaiistva.
Moskva, Izd-vo "Mysl'," 1964. 283 p. (MIRA 17:4)

1. Moscow. Akademiya obshchestvennykh nauk.

| | |
|--|---|
| USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi | R |
| Abs Jour.: Ref Zhur - Biol., No 19, 1958, No 88240 | |
| Author : <u>Suslov I.I.</u> | |
| Inst : Omsk Veterinary Institute | |
| Title : Outbreak of Siberian Ulcer Disease Among American Minks | |
| Orig Pub : So. stud. nauchn. rabot. Omskiy vet. in-t, 1957, vyp. 2,
39-41 | |
| Abstract : No abstract | |
| Canl. : 1/1 | |

SUSLOV, I.M.

State of immunity against smallpox in vaccinated children of 1 to
8 years of age. Zhur. mikrobiol., epid. i immun. 4 no. 9:14, S '64.
(MIRA 18:4)

1. Kurskiy meditsinskij institut.

SUSLOV, I. M.

Yakutia - Ethnology

Nationality of the present day population of the northwestern Yakutsk A.S.S.R. Sov.
etn. No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953, Uncl.

SUSLOV, I.M.

Some biological aspects of the dwarf tapeworm [with summary in English]. Med.paraz. i paraz.bol. 27 no.5:573-575 S-0 '58.
(MIRA 12:1)

1. Iz kafedry obshchey biologii i parazitologii Kurskogo meditsinskogo instituta (dir. instituta - prof. A.V. Savel'yev, zav. kafedroy G.M. Tkachenko).

(TAPEWORM, INFECTIONS, exper.
Hymenolepis nana (Rus))

SUSLOV, I. M., CAND MED SCI, "CERTAIN PROBLEMS OF THE
BIOLOGY OF HYMENOLEPIS FRAFERNA (STILES, 1906) AND IMMUNITY
IN ~~THE PRESENCE OF~~ HYMENOLEPIASIS ~~IN~~ WHITE MICE." KURSK,
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